

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Metal oxide	Lead Dioxide (PbO2)	1309-60-0	0.0103	3.23	0.10982
	Doped silicon	Silicon (Si)	7440-21-3	0.30844	96.77	3.29018
Subtotal				0.31874	100	3.4
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.03759	0.1	0.401
	Copper alloy	Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.01128	0.03	0.1203
	Copper alloy	Iron (Fe)	7439-89-6	0.03759	0.1	0.401
	Copper alloy	Copper (Cu)	7440-50-8	37.50611	99.77	400.0777
Subtotal				37.59257	100	401
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.84841	4.8	30.384
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	5.93419	10.0	63.3
	Filler	Silica fused	60676-86-0	50.44061	85.0	538.05
	Carbon Black	Carbon black	1333-86-4	0.11868	0.2	1.266
	Subtotal			59.34189	100	633
Post-plating	Pure metal	Tin (Sn)	7440-31-5	2.34368	100.0	25
	Subtotal			2.34368	100	25
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.16874	100.0	1.8
	Subtotal			0.16874	100	1.8
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.00469	2.0	0.05
	Lead alloy	Silver (Ag)	7440-22-4	0.00586	2.5	0.0625
	Lead alloy	Lead (Pb)	7439-92-1	0.22382	95.5	2.3875
Subtotal				0.23437	100	2.5
Total				99.99999	100	1066.7

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